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TGAAAGACCC CACCTGTAGG TTTGGCAAGC TAGCTTAAGT AACGCCATTT	1
TGCAAGGCAT GGAAAAATAC ATAAGTGAAG ATAGAGAAGT TCAGATCAAG	51
GTCAGGAACA GATGGAACAG CTGAATATGG GCCAAACAGG ATATCTGTGG	101
TAAGCAGTTC CTGCCCCGGC TCAGGGCCAA GAACAGATGG AACAGCTGAA	151
TATGGGCCAA ACAGGATATC TGTGGTAAGC AGTTCCTGCC CCGGCTCAGG	201
GCCAAGAACA GATGGTCCCC AGATGCGGTC CAGCCCTCAG CAGTTTCTAG	251
AGAACCATCA GATGTTTCCA GGGTGCCCCA AGGACCTGAA ATGACCCTGT	301
GCCTTATTTG AACTAACCAA TCAGTTCGCT TCTCGCTTCT GTTCGCGCGC	351
TTCTGCTCCC CGAGCTCAAT AAAAGAGCCC ACAACCCCTC ACTCGGGGCG	401
CCAGTCCTCC GATTGACTGA GTCGCCCCGG TACCCGTGTA TCCAATAAAC	451
CCTCTTGACG TTGCATCCGA CTTGTGGTCT CGCTGTTCTT TGGGAGGGTC	501
TCCTCTGAGT GATTGACTAC CCGTCAGCGG GGGTCTTTCA TTTGGGGGGT	551
CGTCCGGGAT CGGGAGACCC CTGCCCAGGG ACCACCGACC CACCACCGGG	601
AGGTAAGCTG GCCAGCAACT TATCTGTGTC TGTCCGATTG TCTAGTGTCT	651
ATGACTGATT TTATGCGCCT GCGTCGGTAC TAGTTAGCTA ACTAGCTCTG	701
TATCTGGCGG ACCCGTGGTG GAACTGACGA GTTCGGAACA CCCGGCCGCA	751
ACCTGGGAG ACGTCCCAGG GACTTCGGGG GCCGTTTTTG TGGCCCGACC	801
TGAGTCCAAA AATCCCGATC GTTTTGGACT CTTTGGTGCA CCCCCCTTAG	851

FIG. 1A

AGGAGGGATA TGTGGTCTG GTAGGAGACG AGAACCTAAA ACAGTTCCCG 901
CCTCCGTCTG AATTTTGTCT TTCGGTTTGG GACCGAAGCC GCGCCGCGCG 951
TCTTGTCTGC TGCAGCATCG TTCTGTGTTG TCTCTGTCTG ACTGTGTTTC 1001
TGTATTTGTC TGAGAATATG GGCCCGCGGG CCAGACTGTT ACCACTCCCT 1051
TAAGTTTGAC CTTAGGTCAC TGGAAAGATG TCGAGCGGAT CGCTCACAAC 1101
CAGTCGGTAG ATGTCAAGAA GAGACGTTGG GTTACCTTCT GCTCTGCAGA 1151
ATGGCCAACC TTTAACGTCG GATGGCCGCG AGACGGCACC TTTAACCGAG 1201
ACCTCATCAC CCAGGTAAAG ATCAAGGTCT TTTCACCTGG CCCGCATGGA 1251
CACCCAGACC AGGTCCCCTA CATCGTGACC TGGGAAGCCT TGGCTTTTGA 1301
CCCCCCTCCC TGGGTCAAGC CCTTTGTACA CCCTAAGCCT CCGCCTCCTC 1351
TTCCTCCATC CGCCCCGTCT CTCCCCCTTG AACCTCCTCG TTCGACCCCG 1401
CCTCGATCCT CCCTTTATCC AGCCCTCACT CTTTCTCTAG GCGCCAAACC 1451
TAAACCTCAA GTTCTTTCTG ACAGTGGGGG GCCGCTCATC GACCTACTTA 1501
CAGAAGACCC CCCGCCTTAT AGGGACCCAA GACCACCCCC TTCCGACAGG 1551
GACGGAAATG GTGGAGAAGC GACCCCTGCG GGAGAGGCAC CGGACCCCTC 1601
CCCAATGGCA TCTCGCCTAC GTGGGAGACG GGAGCCCCCT GTGGCCGACT 1651
CCACTACCTC GCAGGCATTC CCCCTCCGCG CAGGAGGAAA CGGACAGCTT 1701
CAATACTGGC CGTTCTCCTC TTCTGACCTT TACAACTGGA AAAATAATAA 1751

FIG. 1B

CCCTTCTTTT TCTGAAGATC CAGGTAAACT GACAGCTCTG ATCGAGTCTG 1801
 TTCTCATCAC CCATCAGCCC ACCTGGGACG ACTGTCAGCA GCTGTTGGGG 1851
 ACTCTGCTGA CCGGAGAAGA AAAACAACGG GTGCTCTTAG AGGCTAGAAA 1901
 GGGGGTGCGG GGGGATGATG GGGGCCCCAC TCAACTGCCC AATGAAGTCG 1951
 ATGCCGCTTT TCCCCTCGAG AATTCTACCG GGTAGGGGAG GCGCTTTTCC 2001
 CAAGGCAGTC TGGAGCATGC GCTTTAGCAG CCCCGCTGGC ACTTGGCGCT 2051
 ACACAAGTGG CCTCTGGCCT CGCACACATT CCACATCCAC CGGTAGCGCC 2101
 AACC GGCTCC GTTCTTTGGT GGCCCCTTCG CGCCACCTTC TACTCCTCCC 2151
 CTAGTCAGGA AGTTCCCCCC GCCCGCAGC TCGCGTCGTG CAGGACGTGA 2201
 CAAATGGAAG TAGCACGTCT CACTAGTCTC GTGCAGATGG ACAGCACCGC 2251
 TGAGCAATGG AAGCGGGTAG GCCTTTGGGG CAGCGGCCAA TAGCAGCTTT 2301
 GCTCCTTCGC TTTCTGGGCT CAGAGGCTGG GAAGGGGTGG GTCCGGGGGC 2351
 GGGCTCAGGG GCGGGCTCAG GGGCGGGGCG GGGCGGAAGG TCCTCCGGAG 2401
 CCCGGCATTG TGCACGCTTC AAAAGCGCAC GTCTGCCGCG CTGTTCTCCT 2451
 CTTCTCATC TCCGGGCCTT TCGACCGGAT CCGGCGATTA GTCCAATTTG 2501
 TTAAAGACAG GATATCAGTG GTCCAGGCTC TAGTTTTGAC TCAACAATAT 2551
 CACCAGCTGA AGCCTATAGA GTACGAGCCA TAGATAAAAT AAAAGATTTT 2601
 ATTTAGTCTC CAGAAAAAGG GGGGAATGAA AGACCCACC TGTAGGTTTG 2651

FIG. 1C

GCAAGCTAGC TTAAGTAACG CCATTTTGCA AGGCATGGAA AAATACATAA 2701
CTGAGAATAG AGAAGTTCAG ATCAAGGTCA GGAACAGATG GAACAGGGTC 2751
GACCCTAGAG AACCATCAGA TGTTTCCAGG GTGCCCCAAG GACCTGAAAT 2801
GACCCTGTGC CTTATTTGAA CTAACCAATC AGTTCGCTTC TCGCTTCTGT 2851
TCGCGCGCTT CTGCTCCCCG AGCTCAATAA AAGAGCCAC AACCCCTCAC 2901
TCGGGGCGCC AGTCCTCCGA TTGACTGAGT CGCCCGGGTA CCCGTGTATC 2951
CAATAAACCC TCTTGCAGTT GCATCCGACT TGTGGTCTCG CTGTTCCTTG 3001
GGAGGGTCTC CTCTGAGTGA TTGACTACCC GTCAGCGGGG GTCTTTCATT 3051
TATGTGTCAT AAATATTTCT AATTTAAGA TAGTATCTCC ATTGGCTTTC 3101
TACTTTTTCT TTTTATTTT TTTTGTCTC TGTCTCCATG TGTGTTGTT 3151
GTTGTTGTT TGTGTTGTTG TTGGTTGGTT GGTTAATTT TTTTAAAGA 3201
TCCTACACTA TAGTTCAAGC TAGACTATTA GCTACTCTGT AACCCAGGGT 3251
GACCTTGAAG TCATGGGTAG CCTGCTGTTT TAGCCTTCCC ACATCTAAGA 3301
TTACAGGTAT GAGCTATCAT TTTGGTATAT TGATTGATTG ATTGATTGAT 3351
GTGTGTGTGT GTGATTGTGT TTGTGTGTGT GATTGTGTAT ATGTGTGTAT 3401
GGTTGTGTGT GATTGTGTGT ATGTATGTTT GTGTGTGATT GTGTGTGTGT 3451
GATTGTGCAT GTGTGTGTGT GATGTGTTAG TGTATGATTG TGTGTGTGTG 3501
TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG TGTGTGTTGT GTATATATAT 3551

FIG. 1D

TTATGGTAGT GAGAGGCAAC GCTCCGGCCC AGGCGTCAGG TTGGTTTTTG	3601
AGACAGAGTC TTCACTTAG CTGAATTCT TGAAGACGAA AGGGCCTCGT	3651
GATACGCCCTA TTTTATAGG TTAATGTCAT GATAATAATG GTTCTTAGA	3701
CGTCAGGTGG CACTTTTCGG GGAAATGTGC GCGGAACCCC TATTTGTTTA	3751
TTTTTCTAAA TACATTCAA TATGTATCCG CTCATGAGAC AATAACCCTG	3801
ATAAATGCTT CAATAATATT GAAAAAGGAA GAGTATGAGT ATTCAACATT	3851
TCCGTGTGCG CCTTATCCC TTTTGTGCG CATTTTGCCT TCCTGTTTTT	3901
GCTCACCCAG AAACGCTGGT GAAAGTAAAA GATGCTGAAG ATCAGTTGGG	3951
TGCACGAGTG GGTTACATCG AACTGGATCT CAACAGCGGT AAGATCCTTG	4001
AGAGTTTTCG CCCCAGAGAA CGTTTTCAA TGATGAGCAC TTTTAAAGTT	4051
CTGCTATGTG GCGCGGTATT ATCCCGTGT GACGCCGGG AAGAGCAACT	4101
CGGTCGCCGC ATACACTATT CTCAGAATGA CTTGGTTGAG TACTCACCAG	4151
TCACAGAAAA GCATCTTACG GATGGCATGA CAGTAAGAGA ATTATGCAGT	4201
GCTGCCATAA CCATGAGTGA TAACACTGCG GCCAACTTAC TTCTGACAAC	4251
GATCGGAGGA CCGAAGGAGC TAACCGCTTT TTTGCACAAC ATGGGGGATC	4301
ATGTAAC TCG CCTTGATCGT TGGGAACCGG AGCTGAATGA AGCCATACCA	4351
AACGACGAGC GTGACACCAC GATGCCTGCA GCAATGGCAA CAACGTTGCG	4401
CAAACTATTA ACTGGCGAAC TACTTACTCT AGCTTCCCGG CAACAATTAA	4451

FIG. 1E

TAGACTGGAT GGAGGCGGAT AAAGTTGCAG GACCACTTCT GCGCTCGGCC	4501
CTTCCGGCTG GCTGGTTTAT TGCTGATAAA TCTGGAGCCG GTGAGCGTGG	4551
GTCTCGCGGT ATCATTGCAG CACTGGGGCC AGATGGTAAG CCCTCCCGTA	4601
TCGTAGTTAT CTACACGACG GGGAGTCAGG CAACTATGGA TGAACGAAAT	4651
AGACAGATCG CTGAGATAGG TGCCTCACTG ATTAAGCATT GGTAAGTGTG	4701
AGACCAAGTT TACTCATATA TACTTTAGAT TGATTTAAAA CTTCATTTTT	4751
AATTTAAAAG GATCTAGGTG AAGATCCTTT TTGATAATCT CATGACCAAA	4801
ATCCCTTAAC GTGAGTTTTT GTTCCACTGA GCGTCAGACC CCGTAGAAAA	4851
GATCAAAGGA TCTTCTTGAG ATCCTTTTTT TCTGCGCGTA ATCTGCTGCT	4901
TGCAAACAAA AAAACCACCG CTACCAGCGG TGGTTTGTTT GCCGGATCAA	4951
GAGCTACCAA CTCTTTTTCC GAAGGTAAGT GGCTTCAGCA GAGCGCAGAT	5001
ACCAAATACT GTCCTTCTAG TGTAGCCGTA GTTAGGCCAC CACTTCAAGA	5051
ACTCTGTAGC ACCGCCTACA TACCTCGCTC TGCTAATCCT GTTACCAGTG	5101
GCTGCTGCCA GTGGCGATAA GTCGTGTCTT ACCGGGTTGG ACTCAAGACG	5151
ATAGTTACCG GATAAGGCGC AGCGGTCGGG CTGAACGGGG GGTTCGTGCA	5201
CACAGCCCAG CTTGGAGCGA ACGACCTACA CCGAACTGAG ATACCTACAG	5251
CGTGAGCTAT GAGAAAGCGC CACGCTTCCC GAAGGGAGAA AGGCGGACAG	5301
GTATCCGGTA AGCGGCAGGG TCGGAACAGG AGAGCGCACG AGGGAGCTTC	5351

FIG. 1F

CAGGGGGAAA CGCCTGGTAT CTTTATAGTC CTGTCGGGTT TCGCCACCTC 5401
 TGACTTGAGC GTCGATTTTT GTGATGCTCG TCAGGGGGGC GGAGCCTATG 5451
 GAAAAACGCC AGCAACGCGG CCTTTTTACG GTTCCTGGCC TTTTGCTGGC 5501
 CTTTGTCTCA CATGTTCTTT CCTGCGTTAT CCCCTGATTC TGTGGATAAC 5551
 CGTATTACCG CCTTTGAGTG AGCTGATACC GCTCGCCGCA GCCGAACGAC 5601
 CGAGCGCAGC GAGTCAGTGA GCGAGGAAGC GGAAGAGCGC CTGATGCGGT 5651
 ATTTTCTCCT TACGCATCTG TCGGGTATTT CACACCGCAT ATGGTGCACT 5701
 CTCAGTACAA TCTGCTCTGA TGCCGCATAG TTAAGCCAGT ATACACTCCG 5751
 CTATCGCTAC GTGACTGGGT CATGGCTGCG CCCCACACCC CGCCAACACC 5801
 CGCTGACGCG CCCTGACGGG CTTGTCTGCT CCCGGCATCC GCTTACAGAC 5851
 AAGCTGTGAC CGTCTCCGGG AGCTGCATGT GTCAGAGGTT TTCACCGTCA 5901
 TCACCGAAAC GCGCGAGGCA GCTGCGGTAA AGCTCATCAG CGTGGTCGTG 5951
 AAGCGATTCA CAGATGTCTG CCTGTTTCATC CGCGTCCAGC TCGTTGAGTT 6001
 TCTCCAGAAG CGTTAATGTC TGGCTTCTGA TAAAGCGGGC CATGTTAAGG 6051
 GCGGTTTTTT CCTGTTTGGT CACTGATGCC TCCGTGTAAG GGGGATTCTT 6101
 GTTCATGGGG GTAATGATAC CGATGAAACG AGAGAGGATG CTCACGATAC 6151
 GGGTTACTGA TGATGAACAT GCCCGGTTAC TGGAACGTTG TGAGGGTAAA 6201
 CAACTGGCGG TATGGATGCG GCGGGACCAG AGAAAAATCA CTCAGGGTCA 6251

FIG. 1G

ATGCCAGCGC TTCGTTAATA CAGATGTAGG TGTTCACAG GGTAGCCAGC 6301
AGCATCCTGC GATGCAGATC CGGAACATAA TGGTGCAGGG CGCTGACTTC 6351
CGCGTTTCCA GACTTTACGA AACACGGAAA CCGAAGACCA TTCATGTTGT 6401
TGCTCAGGTC GCAGACGTTT TGCAGCAGCA GTCGCTTCAC GTTCGCTCGC 6451
GTATCGGTGA TTCATTCTGC TAACCAGTAA GGCAACCCCG CCAGCCTAGC 6501
CGGGTCCTCA ACGACAGGAG CACGATCATG CGCACCCGTG GCCAGGACCC 6551
AACGCTGCCC GAGATGCGCC GCGTGCGGCT GCTGGAGATG GCGGACGCGA 6601
TGGATATGTT CTGCCAAGGG TTGGTTTGCG CATTACAGT TCTCCGCAAG 6651
AATTGATTGG CTCCAATTCT TGGAGTGGTG AATCCGTTAG CGAGGTGCCG 6701
CCGGCTTCCA TTCAGGTGGA GGTGGCCCGG CTCCATGCAC CGCGACGCAA 6751
CGCGGGGAGG CAGACAAGGT ATAGGGCGGC GCCTACAATC CATGCCAACC 6801
CGTTCCATGT GCTCGCCGAG GCGGCATAAA TCGCCGTGAC GATCAGCGGT 6851
CCAGTGATCG AAGTTAGGCT GGTAAGAGCC GCGAGCGATC CTTGAAGCTG 6901
TCCCTGATGG TCGTCATCTA CCTGCCTGGA CAGCATGGCC TGCAACGCGG 6951
GCATCCCGAT GCCGCCGGAA GCGAGAAGAA TCATAATGGG GAAGGCCATC 7001
CAGCCTCGCG TCGCGAACGC CAGCAAGACG TAGCCCAGCG CGTCGGCCGC 7051
CATGCCGGCG ATAATGGCCT GCTTCTCGCC GAAACGTTTG GTGGCGGGAC 7101
CAGTGACGAA GGCTTGAGCG AGGGCGTGCA AGATTCCGAA TACCGCAAGC 7151

FIG. 1H

GACAGGCCGA TCATCGTCGC GCTCCAGCGA AAGCGGTCCT CGCCGAAAAT 7201
 GACCCAGAGC GCTGCCGGCA CCTGTCCTAC GAGTTGCATG ATAAAGAAGA 7251
 CAGTCATAAG TCGGGCGACG ATAGTCATGC CCCGCGCCCA CCGGAAGGAG 7301
 CTGACTGGGT TGAAGGCTCT CAAGGGCATC GGTCGACGCT CTCCTTATG 7351
 CGACTCCTGC ATTAGGAAGC AGCCCAGTAG TAGGTTGAGG CCGTTGAGCA 7401
 CCGCCGCCGC AAGGAATGGT GCATGCAAGG AGATGGCGCC CAACAGTCCC 7451
 CCGGCCACGG GGCCTGCCAC CATACCCACG CCGAAACAAG CGCTCATGAG 7501
 CCCGAAGTGG CGAGCCCGAT CTTCCCATC GGTGATGTCG GCGATATAGG 7551
 CGCCAGCAAC CGCACCTGTG GCGCCGGTGA TGCCGGCCAC GATGCGTCCG 7601
 GCGTAGAGCG CCACAGGACG GGTGTGGTCG CCATGATCGC GTAGTCGATA 7651
 GTGGCTCCAA GTAGCGAAGC GAGCAGGACT GGGCGGCGGC CAAAGCGGTC 7701
 GGACAGTGCT CCGAGAACGG GTGCGCATAG AAATTGCATC AACGCATATA 7751
 GCGCTAGCAG CACGCCATAG TGA CTGGCGA TGCTGTCGGA ATGGACGATA 7801
 TCCCGCAAGA GGCCCGGCAG TACCGGCATA ACCAAGCCTA TGCCTACAGC 7851
 ATCCAGGGTG ACGGTGCCGA GGATGACGAT GAGCGCATTG TTAGATTTC A 7901
 TACACGGTGC CTGACTGCGT TAGCAATTTA ACTGTGATAA ACTACCGCAT 7951
 TAAAGCTTTG CTTAGGAGTT TCCTAATACA TCCCAA ACTC AAATATATAA 8001
 GCATTTGACT TGTTCTATGC CCTAGGGGGA GGGGGGAAGC TAAGCCAGCT 8051

FIG. 1I

TTTTTTAACA TTAAAAATGT TAATTCCATT TTAAATGCAC AGATGTTTTT 8101
ATTCATAAG GGTTTCAATG TGCATGAATG TCGCAATATC CTGTTACCAA 8151
AGCTAGTATA AATAAAAATA GATAAACGTG GAAATTACTT AGAGTTTCTG 8201
TCATTAACGT TTCCTTCCTC AGTTGACAAC ATAAATGCGC TGCTGAGAAG 8251
CCAGTTTGCA TCTGTCAGGA TCAATTTCCA TTATGCCAGT CATATTAATT 8301
ACTAGTCAAT TAGTTGATTT TTGACATATA CATGTGAA

FIG. 1J

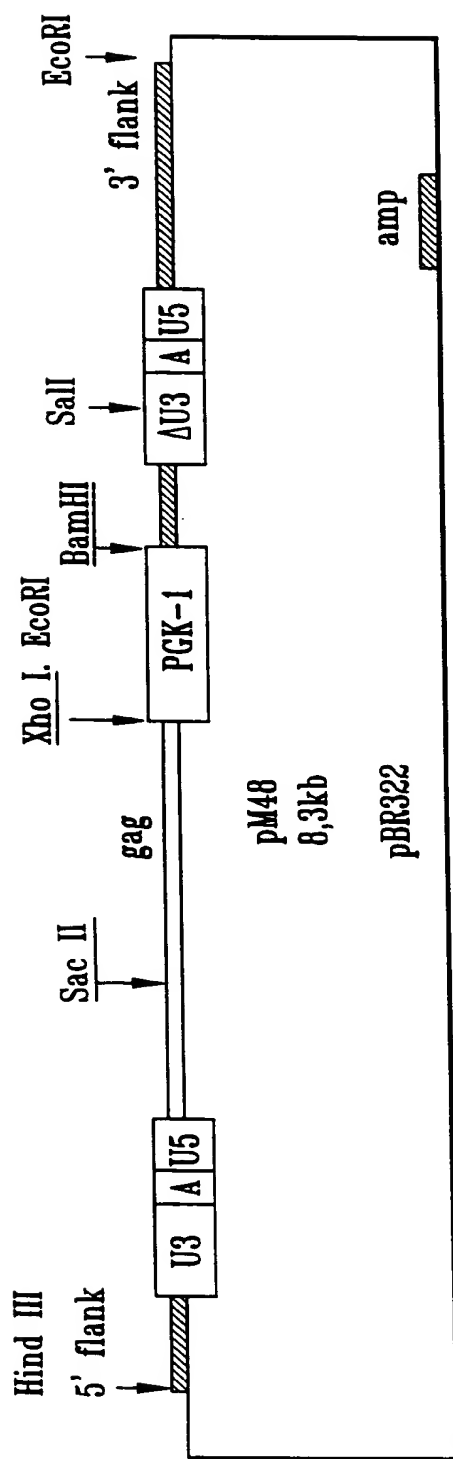


FIG. 2